



BISON

Bison Oil Well Cementing Inc.
1547 Gaylord Street
Denver, CO 80206
303-296-3010

Invoice

Date	Invoice #
4/7/2013	11739

Bill To
Noble Energy Inc. Attn: Accounting 1625 Broadway Ste 2000 Denver, CO 80202

Location	Well Name & No.	Terms	Job Type		
Weld CO	Hunt LF 18-62H11	Net 30	Surface Pump		
Item	Description	Qty	U/M	Rate	Amount
Pump surface	PUMP Charge-surface pipe	1			
Discount 15%	Discount 15%				
MILEAGE	Mileage charge	360			
Discount 15%	Discount 15%				
Data Acquisition ...	Data Acquisition Charge	1			
Discount 15%	Discount 15%				
Service Charge	PSI Testing	1			
	Subtotal of Services				
BFN III Winter ...	BFN III Blend	422	Sack		
Discount 15%	Discount 15%				
KCL Mud Flush	(BHS 117)	4	qt		
Discount 15%	Discount 15%				
Dye - 4880	Dye (Hot Pink 4880)	16	oz		
Discount 15%	Discount 15%				
	Subtotal of Materials				

Please Remit Payment To:

Bison Oil Well Cementing, Inc.
P.O. Box 29671
Thornton, CO 80229

Subtotal	\$9,277.44
Sales Tax (2.9%)	\$269.05
Total	\$9,546.49
Balance Due	\$9,546.49

BISON OIL WELL CEMENTING, INC.

1547 Gaylord Street
Denver, Colorado 80206
Phone: 303-296-3010
Fax: 303-298-8143
E-mail: bisonoil1@qwestoffice.net



INVOICE #
LOCATION
FOREMAN

11739
Hwy 14+95
Calvin Reimers

TREATMENT REPORT

DATE	WELL NAME	SECTION	TWP	RGE	COUNTY
4-7-13	HUNT LF 18-CCMH	19	8N	60W	Weld
BILL TO		CONSULTANT			
Noble		KEVIN C / WOODY B			
OWNER		RIG NAME & NUMBER			
Noble		PD Rig 829			
MAILING ADDRESS		DISTANCE TO LOCATION		UNITS ON LOCATION	
		53 miles		3106/3210	
CITY		TIME REQUESTED		TIME ARRIVED ON LOCATION	
		9:00 pm		7:00 pm	
STATE, ZIP		TIME LEFT LOCATION			
		1:00 am			

WELL DATA

HOLE SIZE	TUBING SIZE	PERFORATIONS
13 3/4		
TOTAL DEPTH	TUBING DEPTH	SHOTS/FT
630		
CASING SIZE	TUBING WEIGHT	OPEN HOLE
9 5/8		
CASING DEPTH	TUBING CONDITION	TREATMENT VIA
627.54		
CASING WEIGHT	PACKER DEPTH	
3616		

CASING CONDITION Good

Max Rate 7

Max Pressure 2500

Cement Makeup

Cement Blend	BFN III 3% BOCA-1.2546K BFLA-1		
Cement - Specs	lbs	Yield	Water Requirements
	152	1.27	5.89
Annulus Factor	Capacity Factor		
.5259	.0773		

TYPE OF TREATMENT

☒ Surface Pipe ☐ Production ☐ Squeeze
☐ MISC Pump ☐ P&A

HYD HHP = RATE X PRESSURE / 40.8

% Excess 50

BBL to Pit 40

DESCRIPTION OF JOB EVENTS

Misc, Safety meeting, Psi test to 1000 Psi, Circ 40 bbls H₂O with KCL + Dye x 16 in 2nd 1066g Mix + pump tell good Dye is seen at 15.2160 1.27 yield, Drop plug, Displace 45.4 bbls H₂O, Bump plug at 150 Psi over Lift Psi, Wait 5 min Then bleed off Psi, Casing Psi Test 1000 Psi for 15 min, Then bleed off Psi, Wash up, Rig down

X Woody Beal
Authorization To Proceed

Title

X 4-7-13
Date

Customers hereby acknowledges and specifically agrees to the terms and conditions on this work order, including, without limitation, the provisions on the reverse side hereof which include the release and indemnity.